Suitability table 2:
Comparing suitability and requirements of monitoring methods

Spatial Scale

✓ — Method provides some information at this spatial scale

✓✓ — Method is appropriate for application at this spatial scale

✓✓✓ — Method is most appropriate for application at this spatial scale

Co-application of Indigenous Knowledge:
P – Planning, D – Data collection, A – Analysis, R – Reporting

		Spatial Scale		Data Needs **		Community Involvement		Resources			Ethical Considerations		
		Local/ study area	Regional/ range	Minimum sampling requirements	Ability to assess data confidence	Local opportunity	Co-application of IK	Equipment costs	Personnel costs	Skills required	Capture/ handling	Potential stress from monitoring	Carbon footprint
Aerial Surveys	Aerial counts	✓	✓✓✓	≥1 yr pop size / ≥2 yr trend	High	Med	P, D	High	Med/ High	Med	No	Med/ High	High
	Occupancy surveys	✓	✓✓✓	≥1 yr (≥3 samples events/yr)	High	Med	P, D	High	Med/ High	Med/ High	No	Med/ High	High
	Aerial imagery *	✓ , ✓✓	✓✓✓ , ✓✓	≥1 yr pop size / ≥2 yr trend (≥2 samples/yr)	Low/ Med	Med/ High	P, D	Med/ High	Med/ High	Med/ High	No	Low/ Med	Med/ High
Telemetry	Radio-collared -female tracking/sampling	✓	✓✓✓	variable (see text)	High	Low/ Med	P	High	Med	High	Yes	Low/ Med	Med
	Camera collars	✓✓✓	✓	variable (see text)	Unkn.	Med	P, A	High	Med/ High	Med	Yes	Low/ Med	Med
Indirect Methods	Camera Traps	✓✓✓	✓	variable (see text)	Med	High	P, D, A, R	Low/ Med	Low	Med	No	None	Low
	Fecal sampling	✓✓	✓✓✓	variable (see text)	High	Med	P, D, A, R	Med	Med	Med/ High	No	None	High
Local/ Harvester Observations	Harvest interviews	✓✓✓	✓	≥1 yr baseline, then annual changes	High	High	P, D, A, R	Low	Med /High	Med/ High	No	Low	Low
	Harvester based sampling	✓	✓✓	≥3 yrs health, variable other goals (see text)	Med	High	P, D, A, R	Med	Low/ Med	Med	No	NA	Low/ Med

Note: table is meant to be used in combination with the other tools in the toolkit and may not reflect regional subtleties when used alone

* Two spatial scale scores for Aerial imagery represent Manned and Unmanned aircraft, respectively // ** These are general guidelines only; refer to text for details of sampling requirements